

Query Match	18.98;	Score 64;	DB 4;	Length 74;
Best Local Similarity	35.8%;	Fred. NO. 1.3;		
Matches	24;	Conservative	8;	Mismatches 23; Indels 12; Gaps 5;
QY	2	KSIAIFIVLVAFc---	ILBDGIVEAGFCPPN-AGKC--	HRHCKSIKRRGGFCGT---52
		:::	:::	:::
Db	6	KWATIFILMKVFATDMAEAKICEALSG---	NFKGLCISSRDGCVNCRRGFTDGCIG	62
QY	53	FRITCVC	59	
Db	63	FRLOCFC	69	

RESULT 11
US-08-454-455-4
; Sequence 4, Application US/08454455
; Patent No. 5635601

APPLICANT: Moyle, Matthew
APPLICANT: McLean, John W.
TITLE OF INVENTION: NOVEL BETA INTEGRIN SUBUNIT
NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 04080

COUNTRY: USA
ZIP: 94080

```

;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
;
; COMPUTER: IBM PC compatible

```

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

APPLICATION NUMBER: US/08/454,455
FILING DATE: 30-May-1995
CLASSIFICATION: 530

matches 21; Conservative 9; Mismatches 27; Indels

52 TERT-TCVCY 60

; NAME: Lee, Wendy M.
 ; REGISTRATION NUMBER: 00,000
 ; REFERENCE/DOCKET NUMBER: 0050000000

Patent No. 6300489
GENERAL INFORMATION:

SEQUENCE CHARACTERISTICS:

LENGTH: 768 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

S-08-454-455-4

Query Match 18.7%; Score 63.5; DB 1; Length 768;

Best Local Similarity 24.7%; Pred. No. 15;

Matches 19; Conservative 8; Mismatches 11; Indels 39; Gaps 5;

DY

14 FCILEDGIVEAGFGCPFN-----AGKCH-----RHCKSIRR 44

DB

545 YCEKDD-----FSCPYPHGNLCAGHCEAGRCQCFSGWEGDRCPQPSAAQHC--VNS 596

DY

45 RGGFCRGTRTTCVCYR 61

DB

597 KGQVCSG--RGTCVCGR 611

RESULT 12

S-08-454-455-6

Sequence 6, Application US/08454455

Patent No. 5635601

GENERAL INFORMATION:

APPLICANT: Moyle, Matthew

APPLICANT: McLean, John W.

TITLE OF INVENTION: NOVEL BETA INTEGRIN SUBUNIT

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 720 kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/454,455

FILING DATE: 30-May-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/193989

FILING DATE: 09-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/004142

FILING DATE: 13-JAN-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/670607

FILING DATE: 14-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: P0699C2D2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 768 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

S-08-454-455-6

Query Match

18.7%; Score 63.5; DB 1; Length 769;

Best Local Similarity 24.7%; Pred. No. 15;

Matches 19; Conservative 8; Mismatches 11; Indels 39; Gaps 5;

Y

14 FCILEDGIVEAGFGCPFN-----AGKCH-----RHCKSIRR 44

DB 545 YCEKDD-----FSCPYPHGNLCAGHCEAGRCQCFSGWEGDRCPQPSAAQHC--VNS 596

OY 45 RGGFCRGTRTTCVCYR 61

DB 597 KGQVCSG--RGTCVCGR 611

RESULT 13

US-08-377-687-49

Sequence 49, Application US/08377687

Patent No. 5538525

GENERAL INFORMATION:

APPLICANT: BROEKAERT, WILLEM F.

APPLICANT: CAMMUE, BRUNO P.A.

APPLICANT: OSBORN, RUPERT W.

APPLICANT: REES, SARAH B.

APPLICANT: TERRAS, FRANKY R.G.

APPLICANT: VANDERLEVDEN, JOZEF

TITLE OF INVENTION: BIOCIDAL PROTEINS

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:

ADDRESSEE: CUSHMAN DARBY & CUSHMAN

STREET: 1100 NEW YORK AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/377,687

FILING DATE:

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/002,480

FILING DATE: 04-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: KOKULIS, PAUL N.

REGISTRATION NUMBER: 16,773

REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-861-3000

TELEFAX: 202-822-0944

INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 80 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-377-687-49

Query Match

18.1%; Score 61.5; DB 1; Length 80;

Best Local Similarity 30.0%; Pred. No. 2.7;

Matches 21; Conservative 8; Mismatches 28; Indels 13; Gaps 4;

OY 4 IAIIFVLVAFCLIE-DGIVEAGFGCPFNAG-----KCHRHCKSIRR-RGGFCRG 51

DB 8 IALLFAALVLFAPFAEPTVWEAKLCERPSGTWVGCGNNACKQCINLEKARHGSCNY 67

OY 52 TFRT-TCVCY 60

DB 68 VFPAPKICIC 77

RESULT 14

US-08-777-192-49

Sequence 49, Application US/08777192

Patent No. 5824869

GENERAL INFORMATION:

result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	177	52.2	38	4	US-09-030-619-200	Sequence 200, App	
2	133.5	39.4	38	4	US-09-030-619-199	Sequence 199, App	
3	69	20.4	131	4	US-09-252-991A-32090	Sequence 32090, A	
4	68.5	20.2	72	4	US-09-003-198A-17	Sequence 17, Appl	
5	68	20.1	40	4	US-09-030-619A-198	Sequence 198, App	
6	66	19.5	40	1	US-08-385-375-16	Sequence 16, Appl	
7	66	19.5	40	1	US-08-385-375-39	Sequence 39, Appl	
8	66	19.5	40	4	US-09-030-619-217	Sequence 217, App	
9	64.5	19.0	80	3	US-09-103-489-20	Sequence 20, Appl	
10	64	18.9	74	4	US-09-442-631-4	Sequence 4, Appl	
11	63.5	18.7	768	1	US-08-454-455-4	Sequence 4, Appl	
12	63.5	18.7	769	1	US-08-454-455-6	Sequence 6, Appl	
13	61.5	18.1	80	1	US-08-377-687-49	Sequence 49, Appl	
14	61.5	18.1	80	3	US-08-777-192-49	Sequence 49, Appl	
15	61.5	18.1	80	2	US-08-971-982-49	Sequence 49, Appl	
16	60.5	17.8	81	3	US-09-053-021-4	Sequence 4, Appl	
17	60.5	17.8	81	3	US-09-053-021-9	Sequence 9, Appl	
18	60.5	17.8	652	2	US-08-751-305-2	Sequence 2, Appl	
19	60	17.7	79	1	US-08-627-706-15	Sequence 15, Appl	
20	60	17.7	79	3	US-09-103-489-15	Sequence 15, Appl	
21	59.5	17.6	42	2	US-08-751-305-3	Sequence 3, Appl	
22	59.5	17.6	63	4	US-09-030-619-232	Sequence 232, App	
23	59.5	17.6	80	1	US-08-377-687-59	Sequence 59, Appl	
24	59.5	17.6	80	2	US-08-777-192-59	Sequence 59, Appl	
25	59.5	17.6	80	3	US-08-971-982-59	Sequence 59, Appl	
26	59.5	17.6	92	4	US-09-394-630-2	Sequence 2, Appl	
27	59	17.4	197	4	US-09-886-319A-81	Sequence 81, Appl	

```

CURRENT FILING DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 199
LENGTH: 38
TYPE: PRT
ORGANISM: Aeschna cyanea
S-09-030-619-199

Query Match      39.4%; Score 133.5; DB 4; Length 38;
Best Local Similarity 55.3%; Pred. No. 6.5e-09;
Matches 21; Conservative 6; Mismatches 10; Indels 1; Gaps 1;

Y      25 GFCGPPNAGKCHRCXSIR-RGGFCRGFTTCVYR 61
      |||||:|||||:|||||:|||||:|||||:|||||:
b      1 GFGCPLDQOCHRHCRHTITGRSGGYCGPLKLTCTYR 38

RESULT 3
S-09-252-991A-32090
Sequence 32090, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 32090
LENGTH: 131
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
S-09-252-991A-32090

Query Match      20.4%; Score 69; DB 4; Length 131;
Best Local Similarity 36.2%; Pred. No. 0.6;
Matches 17; Conservative 3; Mismatches 21; Indels 6; Gaps 2;

Y      15 CILEDGIVEAGFCGPPNAGK-----HRHCKSIRRGFCRGFTTC 57
      |||||:|||||:|||||:|||||:|||||:|||||:
b      23 CALPAGRASSGTGCTAPCCAGAGSCHRRSGS--RARTRPAC 67

RESULT 4
S-09-003-198A-17
Sequence 17, Application US/09003198A
Patent No. 6316407
GENERAL INFORMATION:
APPLICANT: Liang, Jihong
APPLICANT: Shah, Dilip Maganlal
APPLICANT: Wu, Yennie S.
APPLICANT: Rosenberger, Cindy A.
APPLICANT: Hakimi, Salim
TITLE OF INVENTION: Antifungal Polypeptide and Methods for
TITLE OF INVENTION: Controlling Plant Pathogenic Fungi
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Arnold White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/003,198A
FILING DATE: 07-JAN-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Patterson, Melinda L.
REGISTRATION NUMBER: 33,062
REFERENCE/DOCKET NUMBER: MOBT:193
TELECOMMUNICATION INFORMATION:
TELEPHONE: (713) 787-1400
TELEFAX: (713) 787-1440
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-09-003-198A-17

Query Match      20.2%; Score 68.5; DB 4; Length 72;
Best Local Similarity 28.4%; Pred. No. 0.38;
Matches 19; Conservative 11; Mismatches 24; Indels 13; Gaps 3;

QY      2 KSIATLITVLVAFCLIEDGIVEAGFCGPPNAGK-----CHRHCKSIRRG---GFCR 50
DB      4 KSLACLSFLLLVLFVAQETVVSEANTCENLAGSKYKVCFCGCDRHCT--QEGASIGRCR 61
QY      51 GTFRTTC 57
DB      62 DDFRCWC 68

RESULT 5
US-09-030-619-198
Sequence 198, Application US/09030619B
Patent No. 6503881
GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Erfle, Douglas R.
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: McNicol, Patricia J.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: WITH ANTIBIOTICS
FILE REFERENCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILING DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 198
LENGTH: 40
TYPE: PRT
ORGANISM: Sacrophaga peregrina
US-09-030-619-198

Query Match      20.1%; Score 68; DB 4; Length 40;
Best Local Similarity 39.4%; Pred. No. 0.24;
Matches 13; Conservative 2; Mismatches 16; Indels 2; Gaps 1;

QY      27 GCFPNAGKCHRCXSIRRGFCRGFTTCVYR 59
DB      8 GTGINHSAACAACHLIRNGRGYCGNG--KAVCVC 38

RESULT 6
US-08-385-375-16
Sequence 16, Application US/08385375
Patent No. 5631144
GENERAL INFORMATION:
APPLICANT: LEMOINE, Yves
```

APPLICANT: NGUYEN, Martine
APPLICANT: ACHSTETTER, Tilman
APPLICANT: REICHART, Jean-Marc
TITLE OF INVENTION: APPLICATION OF NOVEL DNA FRAGMENTS AS A
TITLE OF INVENTION: SEQUENCE CODING FOR A SIGNAL PEPTIDE FOR THE SECRETION OF
TITLE OF INVENTION: MATURE PROTEINS BY RECOMBINANT YEASTS, EXPRESSION
TITLE OF INVENTION: CASSETTES, TRANSFORMED YEASTS AND CORRESPONDING PROCESS FOR
TITLE OF INVENTION: THE PREPARATION OF PROTEINS
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,375
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/178,356
FILING DATE: 04-JAN-1994
APPLICATION NUMBER: FR 89/05687
FILING DATE: 28-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR90/00306
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Crane-Feury, Sharon E
REGISTRATION NUMBER: 36,113
REFERENCE/DOCKET NUMBER: 017753-009
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
S-08-385-375-16

Query Match 19.5%; Score 66; DB 1; Length 40;
Best Local Similarity 39.4%; Pred. No. 0.41;
Matches 13; Conservative 2; Mismatches 16; Indels 2; Gaps 1;

y 27 GCPFNAGKCHRHCKSIIRRGFCGRTFTTCVC 59
b 8 GTGINHSAACAHLRNGRGYCN--KGVCVC 38

RESULT 7
S-08-385-375-39
Sequence 39, Application US/08385375
Patent No. 5631144
GENERAL INFORMATION:
APPLICANT: LEMOINE, Yves
APPLICANT: NGUYEN, Martine
APPLICANT: ACHSTETTER, Tilman
APPLICANT: REICHART, Jean-Marc
TITLE OF INVENTION: APPLICATION OF NOVEL DNA FRAGMENTS AS A
TITLE OF INVENTION: SEQUENCE CODING FOR A SIGNAL PEPTIDE FOR THE SECRETION OF
TITLE OF INVENTION: MATURE PROTEINS BY RECOMBINANT YEASTS, EXPRESSION
TITLE OF INVENTION: CASSETTES, TRANSFORMED YEASTS AND CORRESPONDING PROCESS FOR
NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,375
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/178,356
FILING DATE: 04-JAN-1994
APPLICATION NUMBER: FR 89/05687
FILING DATE: 28-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR90/00306
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Crane-Feury, Sharon E
REGISTRATION NUMBER: 36,113
REFERENCE/DOCKET NUMBER: 017753-009
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-385-375-39

Query Match 19.5%; Score 66; DB 1; Length 40;
Best Local Similarity 39.4%; Pred. No. 0.41;
Matches 13; Conservative 2; Mismatches 16; Indels 2; Gaps 1;

QY 27 GCPFNAGKCHRHCKSIIRRGFCGRTFTTCVC 59
Db 8 GTGINHSAACAHLRNGRGYCN--KGVCVC 38

RESULT 8
US-09-030-619-217
Sequence 217, Application US/09030619B
Patent No. 6503881
GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Erile, Douglas
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: McNicol, Patricia J.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: WITH ANTIBIOTICS
FILE REFERENCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILING DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 217
LENGTH: 40
TYPE: PPT
ORGANISM: Phormia'terronovae
US-09-030-619-217

APPLICANT: BROEKAERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/777,192
FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 80 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
3-08-777-192-49

Query Match 18.1%; Score 61.5; DB 2; Length 80;
Best Local Similarity 30.0%; Pred. No. 2.7;
Matches 21; Conservative 8; Mismatches 28; Indels 13; Gaps 4;
Y 4 IAILFIVLVAFCILE-DGIVEAGGCPFNAG-----KCHRHCKSIRR-RGGFCRG 51
D 8 IALLFAALVLFAPFAEPTMVEAOKLCERPSTGWSGCGNNACKNOCINLEKARHGS 67
Y 52 TFRF-TCVCY 60
D 68 VFAHKCICY 77

RESULT 15
3-08-971-982-49
Sequence 49, Application US/08971982
Patent No. 6187904
GENERAL INFORMATION:
APPLICANT: BROEKAERT, WILLEM F.
CAMMUE, BRUNO P.A.
OSBORN, RUPERT W.
REES, SARAH B.
TERRAS, FRANKY R.G.
VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.

COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/971,982
FILING DATE: 17-No. 6187904-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 80 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 49:
US-08-971-982-49

Query Match 18.1%; Score 61.5; DB 3; Length 80;
Best Local Similarity 30.0%; Pred. No. 2.7;
Matches 21; Conservative 8; Mismatches 28; Indels 13; Gaps 4;
QY 4 IAILFIVLVAFCILE-DGIVEAGGCPFNAG-----KCHRHCKSIRR-RGGFCRG 51
DB 8 IALLFAALVLFAPFAEPTMVEAOKLCERPSTGWSGCGNNACKNOCINLEKARHGS 67
QY 52 TFRF-TCVCY 60
DB 68 VFAHKCICY 77

Search completed: October 15, 2003, 19:21:12
Job time : 18 secs

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protein - protein search, using sw model

run on: October 15, 2003, 19:18:40 : Search time 27 Seconds
(without alignments)
354.031 Million cell updates/sec

title: US-09-829-481-4
effect score: 339
sequence: 1 M K S I A I I I V L V A F C I L E D G I R R G G F C R G T F T T C V C Y R 61

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searched: 600653 seqs, 161128416 residues

total number of hits satisfying chosen parameters: 600653

inimum DB seq length: 0
aximum DB seq length: 2000000000

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Maximum Match 100%
Listing first 45 summaries

atabase : Published Applications: AA:*

1:	/cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2:	/cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3:	/cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4:	/cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5:	/cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6:	/cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
7:	/cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8:	/cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9:	/cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
10:	/cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11:	/cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12:	/cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13:	/cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14:	/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15:	/cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16:	/cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17:	/cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18:	/cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	ID	Description
1	339	100.0	61	9	US-09-829-481-4
2	184	54.3	37	9	US-09-829-481-11
3	184	54.3	37	9	US-09-917-340-57
4	177	52.2	38	9	US-09-030-619-200
5	168	49.6	60	9	US-09-829-481-6
6	168	49.6	60	9	US-09-829-481-8
7	148.5	43.8	55	9	US-09-829-481-10
8	148	43.7	61	9	US-09-829-481-2
9	133.5	39.4	38	9	US-09-030-619-199
10	128	37.8	38	9	US-09-917-340-58
11	114	33.6	35	9	US-09-917-340-74
12	85.5	25.2	77	15	US-10-178-213-398
13	84.5	24.9	98	10	US-09-950-933A-50
14	76	22.4	75	15	US-10-178-213-401
15	71.5	21.1	43	9	US-09-917-340-94

16	71	20.9	79	15	US-10-178-213-293	Sequence 293, App
17	70.5	20.8	78	9	US-09-917-340-54	Sequence 54, Appl
18	70.5	20.8	78	9	US-09-917-340-55	Sequence 55, Appl
19	70	20.6	75	11	US-09-805-6948-6	Sequence 6, Appl
20	70	20.6	77	15	US-10-178-213-308	Sequence 308, App
21	69	20.4	78	15	US-10-178-213-314	Sequence 314, App
22	68.5	20.2	72	15	US-10-010-731-17	Sequence 17, Appl
23	68	20.1	40	9	US-09-030-619-198	Sequence 198, App
24	68	20.1	88	15	US-10-072-602B-71	Sequence 71, Appl
25	68	20.1	88	15	US-10-072-602B-74	Sequence 74, Appl
26	68	20.1	88	15	US-10-072-602B-77	Sequence 77, Appl
27	68	20.1	90	15	US-10-072-602B-68	Sequence 68, Appl
28	67.5	19.9	76	15	US-10-178-213-92	Sequence 92, Appl
29	66.5	19.6	86	15	US-10-264-480-22	Sequence 22, Appl
30	66	19.5	40	9	US-09-030-619-217	Sequence 217, App
31	66	19.5	78	15	US-10-178-213-86	Sequence 86, Appl
32	66	19.5	88	15	US-10-072-602B-80	Sequence 80, Appl
33	66	19.5	88	15	US-10-072-602B-83	Sequence 83, Appl
34	64.5	19.0	49	15	US-10-178-213-93	Sequence 93, Appl
35	64.5	19.0	80	10	US-09-829-381A-20	Sequence 20, Appl
36	64	18.9	40	9	US-09-917-340-73	Sequence 73, Appl
37	64	18.9	96	10	US-09-950-933A-42	Sequence 42, Appl
38	63.5	18.7	47	15	US-10-178-213-315	Sequence 315, App
39	63.5	18.7	47	15	US-10-178-213-399	Sequence 399, App
40	63.5	18.7	47	15	US-10-178-213-402	Sequence 402, App
41	63.5	18.7	48	15	US-10-178-213-138	Sequence 138, App
42	63.5	18.7	100	15	US-10-178-213-137	Sequence 137, App
43	63.5	18.7	769	11	US-09-984-130-67	Sequence 67, Appl
44	63.5	18.7	769	12	US-09-836-353A-67	Sequence 67, Appl
45	63.5	18.7	769	15	US-10-097-340-157	Sequence 157, App

ALIGNMENTS

RESULT 1
US-09-829-481-4
; Sequence 4, Application US/09829481
; Patent No. US20020069427A1
; GENERAL INFORMATION:
; APPLICANT: Presnail, James
; APPLICANT: Weng, Zude
; APPLICANT: Wong, James
; TITLE OF INVENTION: Arthropod Defensins
; FILE REFERENCE: BB1441 US NA
; CURRENT APPLICATION NUMBER: US/09/829,481
; CURRENT FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/197279
; PRIOR FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 4
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Vaejovis carolinianus
US-09-829-481-4

Query Match 100.0%; Score 339; DB 9; Length 61;
Best Local Similarity 100.0%; Pred. No. 4.8e-32;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 M K S I A I I V L V A F C I L E D G I V E A G F G C P F N A G C H R H C K S I R R G G F C R G T F T T C V C Y 60
Db 1 M K S I A I I V L V A F C I L E D G I V E A G F G C P F N A G C H R H C K S I R R G G F C R G T F T T C V C Y 60
Qy 61 R 61
Db 61 R 61

RESULT 2
US-09-829-481-11
; Sequence 11, Application US/09829481

```
Patent No. US20020069427A1
GENERAL INFORMATION:
APPLICANT: Presnail, James
APPLICANT: Weng, Zude
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Microsoft Office 97
SEQ ID NO 11
LENGTH: 37
TYPE: PRT
ORGANISM: Androctonus australis hector
S-09-829-481-11
Query Match 54.3%; Score 184; DB 9; Length 37;
Best Local Similarity 75.7%; Pred. No. 2.1e-14;
Matches 28; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
Y 25 GFGCPFNAGKCHRHCKSIIRRGGFCRGTFRTTCVCYR 61
||||| | ||||| ||||| ||||| ||||| ||||| |||||
C 1 GFGCPFNQAGACHRHCHRSIRRRGGYAGLFKQTCTCYR 37
||||| | ||||| ||||| ||||| ||||| ||||| |||||

RESULT 3
S-09-917-340-57
Sequence 57, Application US/09917340
Patent No. US20020090369A1
GENERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: Mcanulty, Jonathan F.
APPLICANT: Reid, Ted W.
TITLE OF INVENTION: Transplant Media
FILE REFERENCE: TPLANT-06468
CURRENT APPLICATION NUMBER: US/09/917,340
CURRENT FILING DATE: 2001-07-29
PRIOR APPLICATION NUMBER: 60/221,632
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/249,602
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/290,932
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 96
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 57
LENGTH: 37
TYPE: PRT
ORGANISM: Androctonus Australis Hector
S-09-917-340-57
Query Match 54.3%; Score 184; DB 9; Length 37;
Best Local Similarity 75.7%; Pred. No. 2.1e-14;
Matches 28; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
Y 25 GFGCPFNAGKCHRHCKSIIRRGGFCRGTFRTTCVCYR 61
||||| | ||||| ||||| ||||| ||||| ||||| |||||
C 1 GFGCPFNQAGACHRHCHRSIRRRGGYAGLFKQTCTCYR 37
||||| | ||||| ||||| ||||| ||||| ||||| |||||

RESULT 4
S-09-030-619-200
Sequence 200, Application US/09030619B
Patent No. US20020035061A1
GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Erfle, Douglas
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
S-09-030-619-200
Query Match 52.2%; Score 177; DB 9; Length 38;
Best Local Similarity 73.0%; Pred. No. 1.4e-13;
Matches 27; Conservative 3; Mismatches 7; Indels 0; Gaps 0;
QY 25 GFGCPFNAGKCHRHCKSIIRRGGFCRGTFRTTCVCYR 61
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Db 1 GFGCPFNQAGACHRHCHRSIRRRGGYAGLFKQTCTCYR 37
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RESULT 5
US-09-829-481-6
Sequence 6, Application US/09829481
Patent No. US20020069427A1
GENERAL INFORMATION:
APPLICANT: Presnail, James
APPLICANT: Weng, Zude
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Microsoft Office 97
SEQ ID NO 6
LENGTH: 60
TYPE: PRT
ORGANISM: Argiope sp.
US-09-829-481-6
Query Match 49.6%; Score 168; DB 9; Length 60;
Best Local Similarity 45.5%; Pred. No. 2.4e-12;
Matches 25; Conservative 11; Mismatches 19; Indels 0; Gaps 0;
QY 6 IIFTVLVAFCEIDGIVEAGFGCPFNAGKCHRHCKSIIRRGGFCRGTFRTTCVCY 60
::: | ||||| : ||||| : ||||| : ||||| : |||||
Db 5 VLLLCVLVCAFAVAVAGFGCPFDQMQCHNHCHRSIKYRGGYCTNLFKRTCKY 59
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RESULT 6
US-09-829-481-8
Sequence 8, Application US/09829481
Patent No. US20020069427A1
GENERAL INFORMATION:
APPLICANT: Presnail, James
APPLICANT: Weng, Zude
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: BB1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Microsoft Office 97
SEQ ID NO 8
LENGTH: 60
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1

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	406	100.0	406	9	US-09-829-481-3	Sequence 3, Appli
2	76	18.7	386	9	US-09-829-481-5	Sequence 5, Appli
3	57.4	14.1	406	12	US-09-814-353-17782	Sequence 17782, A
C 3	55.8	13.7	17294	12	US-10-311-455-959	Sequence 959, App
4	55.6	13.7	714	12	US-09-814-353-4684	Sequence 4684, Ap
C 5	55.6	13.7	714	12	US-09-814-353-10983	Sequence 10983, A
C 6	55.2	13.6	325	10	US-09-764-846-30	Sequence 30, Appl
C 7	55.2	13.6	325	10	US-10-091-483-10	Sequence 105, App
8	55.2	13.6	621	10	US-09-764-846-105	Sequence 105, App
9	55.2	13.6	621	10	US-10-091-483-105	Sequence 105, App
10	55.2	13.6	621	14	US-10-091-483-105	Sequence 105, App
C 11	55.2	13.6	717	14	US-10-198-846-1715	Sequence 1715, Ap
C 12	54.8	13.5	445	12	US-09-814-353-17408	Sequence 17408, A
13	54.6	13.4	351	9	US-09-829-481-7	Sequence 7, Appli
C 14	54.6	13.4	425	10	US-09-834-975-451	Sequence 451, App
C 15	54	13.3	350	12	US-09-814-353-18240	Sequence 18240, A
C 16	54	13.3	363	12	US-09-814-353-4589	Sequence 4589, Ap

	Query Match	100.0%	Score 406;	DB 9;	Length 406;
	Best Local Similarity	100.0%;	Pred. No. 5.9e-76;		
	Matches 406;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	CTCTACTACATCACTAAGTTCCTTTCTCCACTCAGCTTCAAGAAGTAATCCATGAGCTAT	60		
Db	1	CTCTACTACATCACTAAGTTCCTTTCTCCACTCAGCTTCAAGAAGTAATCCATGAGCTAT	60		
QY	61	TATTTTCATCGTTCTTGTGCCCTTCGTATNTTTGGAGGATGGGATGTAGAAGCTGGTTTT	120		
Db	61	TATTTTCATCGTTCTTGTGCCCTTCGTATNTTTGGAGGATGGGATGTAGAAGCTGGTTTT	120		
QY	121	TGGATGTCCTTTTAATSCAGGAAAAAGCCATAGACATTCGCAAAGTATTCGTCGTAGAGG	180		
Db	121	TGGATGTCCTTTTAATSCAGGAAAAAGCCATAGACATTCGCAAAGTATTCGTCGTAGAGG	180		
OY	181	AGGCCTTTTGCAGAGGAAGACTTTTCAGGACAACCTCGCTTGCTATAGTGAATAATCCGATTT	240		

LOCATION: 348, 325, 365, 374, 377, 383, 392, 399, 400, 412, 415
OTHER INFORMATION: n = A,T,C or G

FEATURE:

NAME/KEY: misc_feature
LOCATION: 423, 425, 427, 428, 429, 431, 433, 434, 436, 440, 442, 454,
LOCATION: 458, 456, 467, 479, 481, 485, 499, 530, 533, 535, 544,
LOCATION: 545, 556, 560, 563, 565, 575, 581, 583, 586, 588, 592, 596,
LOCATION: 600, 602, 606, 611, 620, 633, 635, 637, 640, 642, 649
OTHER INFORMATION: n = A,T,C or G

FEATURE:

NAME/KEY: misc_feature
LOCATION: 651, 655, 675, 676, 685, 687, 690, 691, 702
OTHER INFORMATION: n = A,T,C or G

JS-09-814-353-10983

Query Match 13.7%; Score 55.6; DB 12; Length 714;
Best Local Similarity 48.7%; Pred. No. 0.026;
Matches 109; Conservative 0; Mismatches 115; Indels 0; Gaps 0;

Y 181 AGGCTTTTCGAGGAGACTTTCAGGACACCTCGTTGCTATAGGTGAAATCCGATTT 240
b 180 AAGTNTTGNNGNAGNGAANAATAAATTTTATTTTAAANNGCCNGNTN 221
Y 241 ATTGTCATATGAGACCGGTTTATTTGAATATGTCAGTTTCCAAATTAAGTCAATTT 300
b 220 AAAANNGAATTTTATTTTNNAAAAAATTTTGGNNNNAAAAATTTTNA 161
Y 301 CGACCATATGATATTTTGAATATCAACAGATGCAATAGTTTAATTAAGTCAAT 360
b 160 AAAAAAATTTTATTTTNNAAAAAATTTTNNAAAAAATTTTNNAAAAAATTTTNA 101
Y 361 ACTTAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAA 404
b 100 AAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAA 57

RESULT 7

S-09-764-846-30
Sequence 30, Application US/09764846
Patent No. US20020102638A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PTZ12
CURRENT APPLICATION NUMBER: US/09/764,846
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 348
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 325
TYPE: DNA
ORGANISM: Homo sapiens
S-09-764-846-30

Query Match 13.6%; Score 55.2; DB 10; Length 325;
Best Local Similarity 60.8%; Pred. No. 0.023;
Matches 90; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Y 259 CCGTTTTTATGAATATCGTCAGTTTCCAAATTAAGTCTATTCGAGCCATCTGAATAAT 318
b 104 CCTTATAATTCACATAAATAAGCATCTATTAGTCTGATTTAGGAATGTAATGAT 163
Y 319 TTGTGATCTAACACAGATGCAATAGTTTAAATAAATTAATTAATTAATTAATTAAT 378
b 164 TCTGTATTAAGTAAATAAGATTAATCTATTGCAAAAAGATATTTCAAAACCTAAAAA 223
Y 379 AAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAA 406
b 224 AAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAA 251

RESULT 8

Y 259 CCGTTTTTATGAATATCGTCAGTTTCCAAATTAAGTCTATTCGAGCCATCTGAATAAT 318

US-10-091-483-30
Sequence 30, Application US/10091483
Publication No. US20030049650A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PTZ12C1
CURRENT APPLICATION NUMBER: US/10/091,483
CURRENT FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 348
Prior Application removed - See File Wrapper or Palm
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 325
TYPE: DNA
ORGANISM: Homo sapiens
US-10-091-483-30

Query Match 13.6%; Score 55.2; DB 14; Length 325;
Best Local Similarity 60.8%; Pred. No. 0.023; 58; Indels 0; Gaps 0;
Matches 90; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 259 CCGTTTTTATGAATATCGTCAGTTTCCAAATTAAGTCTATTCGAGCCATCTGAATAAT 318
Db 104 CCTTATAATTCACATAAATAAGCATCTATTAGTCTGATTTAGGAATGTAATGAT 163
QY 319 TTGTGATCTAACACAGATGCAATAGTTTAAATAAATTAATTAATTAATTAATTAAT 378
Db 164 TCTGTATTAAGTAAATAAGATTAATCTATTGCAAAAAGATATTTCAAAACCTAAAAA 223
QY 379 AAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAA 406
Db 224 AAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAAATTTTAAAAA 251

RESULT 9

US-09-764-846-105
Sequence 105, Application US/09764846
Patent No. US20020102638A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PTZ12
CURRENT APPLICATION NUMBER: US/09/764,846
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 348
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 105
LENGTH: 621
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (80)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (612)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (620)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (621)
OTHER INFORMATION: n equals a,t,g, or c
US-09-764-846-105

Query Match 13.6%; Score 55.2; DB 10; Length 621;
Best Local Similarity 60.8%; Pred. No. 0.03;
Matches 90; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 259 CCGTTTTTATGAATATCGTCAGTTTCCAAATTAAGTCTATTCGAGCCATCTGAATAAT 318

Db 388 CCTTATATCTACTAAATAAAGCATCTATTAGTGTCTGATTAGGAATGTAATAATGAT 447
 QY 319 TTGTGTAATCTACACACATGCAATAGTTTAAATAAACTTATACCTTAACTTTAAAAAAA 378
 Db 448 TCTGTATTATGTAATAAGATTCTATTGCAAAAGATATTCTCAACCTTAAAAAAA 507
 QY 379 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA 406
 Db 508 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA 535

RESULT 10

US-10-091-483-105
 ; Sequence 105, Application US/10091483
 ; Publication No. US20030049650A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PT12C1
 ; CURRENT APPLICATION NUMBER: US/10/091.483
 ; CURRENT FILING DATE: 2003-03-07
 ; NUMBER OF SEQ ID NOS: 348
 ; Prior Application removed - See File Wrapper or Palm
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 105
 ; LENGTH: 621
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (80)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc_feature
 ; LOCATION: (612)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc_feature
 ; LOCATION: (620)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc_feature
 ; LOCATION: (621)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; JS-10-091-483-105

Query Match 13.6%; Score 55.2; DB 14; Length 621;
 Best Local Similarity 60.8%; Pred. No. 0.03;
 Matches 90; Conservative 0; Mismatches 58; Indels 0; Gaps 0;
 QY 259 CCGTTTATTGAATATCGTCAGTTTCCAATTAAGTCATTCGAGCCATCTACTGATATAT 318
 Db 388 CCTTATATCTACTAAATAAAGCATCTATTAGTGTCTGATTAGGAATGTAATAATGAT 447
 QY 319 TTGTGTAATCTACACACATGCAATAGTTTAAATAAACTTATACCTTAACTTTAAAAAAA 378
 Db 448 TCTGTATTATGTAATAAGATTCTATTGCAAAAGATATTCTCAACCTTAAAAAAA 507
 QY 379 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA 406
 Db 508 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA 535

RESULT 11

US-10-198-846-1715/c
 ; Sequence 1715, Application US/10198846
 ; Publication No. US2003009974A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lillie, James
 ; APPLICANT: Xu, Yongyao
 ; APPLICANT: Wang, Youzhen
 ; APPLICANT: Steinmann, Kathleen
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
 ; FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
 ; THERAPY OF BREAST CANCER
 ; FILE REFERENCE: MRI-049

; CURRENT APPLICATION NUMBER: US/10/198.846
 ; CURRENT FILING DATE: 2002-07-18
 ; PRIOR APPLICATION NUMBER: 60/306,220
 ; PRIOR FILING DATE: 2001-07-18
 ; NUMBER OF SEQ ID NOS: 14084
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1715
 ; LENGTH: 717
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: 5, 8, 9, 12, 19, 22, 23, 25, 33, 34, 40, 184, 204, 205, 210,
 ; LOCATION: 216, 219, 223, 225, 226, 228, 229, 236, 238, 239, 241, 243,
 ; LOCATION: 246, 248, 250, 254, 255, 256, 258, 261, 268, 270, 276, 277,
 ; LOCATION: 279, 281, 287, 290, 291, 292, 293, 295, 296, 297
 ; OTHER INFORMATION: n = A,T,C or G
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: 298, 299, 300, 302, 303, 304, 305, 307, 309, 313, 318, 319,
 ; LOCATION: 320, 321, 322, 323, 325, 330, 331, 335, 336, 338, 340, 342,
 ; LOCATION: 345, 346, 348, 357, 359, 360, 372, 376, 381, 385, 386, 395,
 ; LOCATION: 402, 415, 416, 418, 428, 429, 436, 437, 446, 463, 465
 ; OTHER INFORMATION: n = A,T,C or G
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: 466, 467, 468, 472, 473, 474, 486, 489, 491, 494, 495, 498,
 ; LOCATION: 499, 503, 510, 511, 514, 519, 520, 522, 524, 526, 529, 530,
 ; LOCATION: 534, 539, 542, 543, 544, 545, 546, 551, 552, 553, 555, 557,
 ; LOCATION: 558, 567, 570, 571, 574, 575, 576, 578, 584, 604, 605
 ; OTHER INFORMATION: n = A,T,C or G
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: 612, 617, 618, 619, 623, 625, 626, 629, 631, 635, 638, 650,
 ; LOCATION: 652, 664, 665, 668, 670, 671, 675, 677, 680, 685, 693, 699,
 ; LOCATION: 700, 710, 711, 715
 ; OTHER INFORMATION: n = A,T,C or G
 ; US-10-198-846-1715

Query Match 13.6%; Score 55.2; DB 14; Length 717;
 Best Local Similarity 36.4%; Pred. No. 0.032;
 Matches 144; Conservative 0; Mismatches 252; Indels 0; Gaps 0;
 QY 11 ATCACTAAGTCTTTCTCCACTCAGCTTCAAGATGAATCCATAGTATATTTTCATC 70
 Db 521 ANCCCGGNNATCTTATGNNCCNCCNATATTCATTTAAATGNNNGTNNNNNC 462
 QY 71 GTCTTTCTGCTCTGTTATTTGGAGGATGGGATTCGTAAGCTGGTTTGGATGTC 130
 Db 461 CCTCATCTTTTNTNTNTTTTTCNNCACTTTNNGTTAATAAGNNGNTTTTNTT 402
 QY 131 TTTAATCGAGAAATGCCATAGACATTCGAAAAGTATTCGCTAGAGGAGGCTTTGC 190
 Db 401 ATAATNAAATAGANNAGGNGGNTTCNAAAGTTTNTNNNNNNNNNNNNNNNN 342
 QY 191 AGAGAACTTCAGGACACACTGCTTTGCTATAGGTGAAAATCCGATTTATTGGCATA 250
 Db 341 TTTNCNTTNNAAAAANCNNNNNTGGNATTTNCCNNNNNNNNNNNNNNNNNN 282
 QY 251 ATGGAGACCCGTTTTTATGTAATCTGCTAGTTCCTCAATTAAGTCATTTCCGAGCATAC 310
 Db 281 NTNANNAGGGGNCNTTTTNTTNTNNAANTNTCCNTNTNNGCCCTTNNCNTNA 222
 QY 311 TGAATAATTTTGTAACTCAACAACAGATGCAATAGTTTAAATAAACTTATACCTTT 370
 Db 221 AANTNTTTTANTTTTNNAAAAAAAATAAAAAAAAATAAAAAAAAATAAAAAA 162
 QY 371 TAAAAAAAATAAAAAATAAAAAATAAAAAATAAAAAATAAAAAATAAAAA 406
 Db 161 AAAAAATAAAAAATAAAAAATAAAAAATAAAAAATAAAAAATAAAAAATAAAAA 126

RESULT 12

S-09-814-353-17408/c
Sequence 17408, Application US/09814353
Publication No. US20030165831A1
GENERAL INFORMATION:
APPLICANT: Lee, John
APPLICANT: Thompson, Pamela
APPLICANT: Lillie, James
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
FILE REFERENCE: MRI-006B
CURRENT APPLICATION NUMBER: US/09/814,353
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: US 60/191,031
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/207,124
PRIOR FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/220,661
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17408
LENGTH: 445
TYPE: DNA
ORGANISM: Homo sapiens
S-09-814-353-17408

Query Match 13.5%; Score 54.8; DB 12; Length 445;
Best Local Similarity 56.7%; Pred. No. 0.032;
Matches 101; Conservative 0; Mismatches 77; Indels 0; Gaps 0;
y 229 AAAATCGATTATTCGCATATGAGAGCCGTTTATGATGATATCGTCAGTTTCCAA 288
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
b 274 AAAATTTTTCCTCCCAAAAAAAATTTTTCCTCCCAAAAAAAATTTTTCCTCC 215
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
y 289 TTAAGTCATTCGAGCCATCTAATAATTTGTAATCTAACAACAGATGCAATAGTTT 348
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
b 214 AAAATTTTTCCTCCCAAAAAATTTTTCCTCCCAAAAAATTTTTCCTCCCAAAAA 155
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
y 349 AAATAAATCTATCTAATCTTTTAAAAAATAAATAAATAAATAAATAAATAAATAA 406
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
b 154 AAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 97
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 13
S-09-829-481-7
Sequence 7, Application US/09829481
Patent No. US2002069427A1
GENERAL INFORMATION:
APPLICANT: Presnail, James
APPLICANT: Wong, Zude
APPLICANT: Wong, James
TITLE OF INVENTION: Arthropod Defensins
FILE REFERENCE: B1441 US NA
CURRENT APPLICATION NUMBER: US/09/829,481
CURRENT FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/197279
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Microsoft Office 97
SEQ ID NO 7
LENGTH: 351
TYPE: DNA
ORGANISM: Argiope sp.
S-09-829-481-7
Query Match 13.4%; Score 54.6; DB 9; Length 351;

Best Local Similarity 54.9%; Pred. No. 0.032;
Matches 130; Conservative 0; Mismatches 104; Indels 3; Gaps 1;
QY 23 TTTCTCCACTCAGCTTCAAGAATCAATCCATAGTATTTATTTTCATCGTTCTGTGTC 82
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 7 TCTGTGACATTTCCAAAAAATCAATCGGAGAGTCTGTGTGTGATCTGCCCTAGT--C 63
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 83 TTTCTGTATTTGGAGGATGGGATTTGTAAGCTGGTTTGGATGTCCTTTAATGACGGA 142
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 64 CTCGTGTGCTTTTGGCCACAGTACCGTGGAGCTGGTTTCGGCTGCCCTTCGACGAG 123
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 143 AAATGCCATAGACATTCGAAAAGTATTCGTGCTAGAGAGGCTTTTGCAGAGGAACCTTC 202
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 124 CAGTGTCAATCAATTCAGGAGCATCAATATAGGGAGGATCTGCACCACTTATTC 183
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 203 AGGACAACCTCGTTTGTATGATGTAAGTGAATTCGATTTATTTGCCATAATGGAGAC 259
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 184 AAGCGACCTGCAAGTGTACGGATGATGACCCCTCCCTCTCAGACAGGAGGCC 240
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
RESULT 14
US-09-834-975-451/c
Sequence 451, Application US/09834975
Patent No. US20020110815A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Brown, Jeffrey
APPLICANT: Bolt, Andrew
APPLICANT: Van Hufel, Christophe
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS AND METHODS
TITLE OF INVENTION: FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
TITLE OF INVENTION: OF HUMAN CANCERS
FILE REFERENCE: MRI-016B
CURRENT APPLICATION NUMBER: US/09/834,975
CURRENT FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/197,538
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 1046
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 451
LENGTH: 425
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)...(425)
OTHER INFORMATION: n = A,T,C or G
US-09-834-975-451
Query Match 13.4%; Score 54.6; DB 10; Length 425;
Best Local Similarity 53.4%; Pred. No. 0.035;
Matches 111; Conservative 0; Mismatches 97; Indels 0; Gaps 0;
QY 199 TTTTCAGGACACCTCGCTTGTCTATAGGTGAATTCGATTTATTTGCCATAATGGAGAC 258
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 215 TTTTAAAAAACGGGGGGGGAATAAATAAATAAATAAATAAATAAATAAATAAATAA 156
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 259 CCGTTTATTCGAATATCGTCAGTTTCCAAATTAAGTCATTTTCGAGCATCTACTGAATAT 318
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 155 ATTTTTCCTTTTTCCTTTTTCCTTTTTCCTTTTTCCTTTTTCCTTTTTCCTTTTTCCT 96
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 319 TTTGTAATCTAACAACAGATGCAATAGTTTAAATAAATCTATCTACTTACTTAAAAAAA 378
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 95 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 36
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 379 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 406
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 35 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 8
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
RESULT 15
US-09-814-353-18240/c
Sequence 18240, Application US/09814353

Publication No. US20030165831A1
GENERAL INFORMATION:
APPLICANT: Lee, John
APPLICANT: Thompson, Pamela
APPLICANT: Lillie, James
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
IDENTIFICATION, ASSESSMENT, PREVENTION, AND
THERAPY OF OVARIAN CANCER
FILE REFERENCE: MRI-006B
CURRENT APPLICATION NUMBER: US/09/814,353
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: US 60/191,031
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/207,124
PRIOR FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/220,661
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18240
LENGTH: 350
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 322
OTHER INFORMATION: n = A,T,C or G
US-09-814-353-18240

Query Match 13.3%; Score 54; DB 12; Length 350;
Best Local Similarity 58.5%; Pred. No. 0.043;
Matches 93; Conservative 0; Mismatches 66; Indels 0; Gaps 0;
Y 248 ATATGGAGACCGCTTTTATGAAATCGTCAGTTTCCAAATTAAGTCATTTGAGCCCA 307
b 335 AAACCAATCTTNTTTTTTTTTTTTTTTTTTTTGTGTTTTCACAAAAAAATTTATCCCT 276
Y 308 TACTGAATAATTTGTATCTAACACAGATGCAATAGTTTAAATAACTATACTTAAC 367
b 275 CTCCTATTTTAAATAAAATAAAAAAAATAAATTTTATTATATAAAAAAAAT 216
Y 368 TTTTAAAAAAATAAAAAAAATAAAAAAAATAAAAAAA 406
b 215 TTTTAAAAAAATAAAAAAAATAAAAAAAATAAAAAAA 177

earch completed: October 16, 2003, 18:58:22
ob time : 252 secs


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/ ATTORNEY/AGENT INFORMATION:
/ NAME: Barker, M. P.
/ REGISTRATION NUMBER: 32,013
/ REFERENCE/DOCKET NUMBER: 02481.1323-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3581 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA to mRNA
/ ORIGINAL SOURCE:
/ ORGANISM: Mus musculus
/ STRAIN: osteoblastic cell line MC3T3E1
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 284..2671
/
/ US-08-738-349-1
/
/ Query Match
/ Best Local Similarity 13.0%; Score 52.8; DB 2; Length 3581;
/ Matches 69; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
/
/ QY 311 TGAATAATTTTCTAATCTAACCAACAGATGCAATAGTTTAAATAAACCTTATACCTTAACCTTT 370
/ Db 3443 TGCTTTAATATGAGCTTCAATATATAAGACCAACCTTTGAAATAAAAAAAGATTCTTTT 3502
/
/ QY 371 TAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 406
/ Db 3503 TAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 3538
/
/ RESULT 4

```

sequence 5, Application US/08/75/046A
Patent No. 5876995
GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,046A
FILING DATE: 11-25-96
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/597,274
FILING DATE: 02-06-96
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6680-105B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs

```

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24737-105C
TELEPHONE: 619-450-8400
TELEFAX: 619-450-8499
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 115...702
OTHER INFORMATION: apoaecuatorin-encoding gene
PUBLICATION INFORMATION:
PUBLICATION INFORMATION: PATENT NO.: 5,093,240
AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 82
PAGES: 3154-3158
DATE: (1985)
US-09-447-208-5

Query Match 12.9%; Score 52.4; DB 3; Length 958;
Best Local Similarity 57.2%; Pred. No. 0.011;
Matches 95; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 241 ATTTCGCATTAATGAGACCGTTTTTATTGAAATGTCAGTTTCCAAATTAAGTCATT 300
DB 779 ATTTTCCAAATTTTGAACGATTTCATCGTTGTGTGATTTTGTATTAATAGGAACAGA 838

QY 301 CGAGCCATCTGTAATTTTGTAACTACACACAGATCCATAGTTTAAATAAATTTAT 360
DB 839 TTAATCGAATGATAGTCTGTTTTTTTAAATCAACAGACTTACAATCGAAAAGTAAAA 898

QY 361 ACTTAACATTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 406
DB 899 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 944

RESULT 6
US-09-135-988-5
Sequence 5, Application US/09135988
Patent No. 6152358
GENERAL INFORMATION:
APPLICANT: BRYAB, Bruce
TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09135,988
FILING DATE:
CLASSIFICATION:

```

TEST, T 7

TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
TELEX:

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:

NAME/KEY: Coding Sequence
LOCATION: 115...702
OTHER INFORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION:
DOCUMENT NUMBER: 5,093,240
AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 82
PAGES: 3154-3158
DATE: (1985)

JS-08-597-274A-5

Query Match 12.9%; Score 52.4; DB 3; Length 958;
Best Local Similarity 57.2%; Pred. No. 0.011;
Matches 95; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

```

2Y 241 ATTGCGCATATGGAGACCCGTTTATTGATATCGTCAGTTTCCAAATTAAGTCATT 300
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 779 ATTTCCAAATTTTGACGATTTCAATCGTTTGTTGATTTTGTAAATAGAACAGA 838
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
2Y 301 CGAGCCATCTAGTAATTTTGTAATCTAACACAGATGCAATAGTTTAAATAACTTAT 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 839 TTAATCGAATGATTAGTTGTTTATTAATCAACAGAACTTACAAATCGAAAAAGTAAA 898
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
2Y 361 ACTTAACCTTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 406
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 899 AAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 944
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

```

RESULT 9

US-08-908-909-5
Sequence 5, Application US/08908909
Patent No. 6416960

GENERAL INFORMATION:

APPLICANT: Bryan, Bruce
TITLE OF INVENTION: DETECTION AND VISUALIZATION OF
TITLE OF INVENTION: NEOPLASTIC TISSUES AND OTHER TISSUES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: Brown, Martin, Haller & McClain
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92101-2926

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/908,909
FILING DATE: 08-AUG-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/023,374
FILING DATE: 08-AUG-1996
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6680-108
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
TELEX:

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:

NAME/KEY: Coding Sequence
LOCATION: 115...702
OTHER INFORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION:
AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 82
PAGES: 3154-3158
DATE: (1985)
DOCUMENT NUMBER: 5,093,240

US-08-908-909-5

Query Match 12.9%; Score 52.4; DB 4; Length 958;

Best Local Similarity 57.2%; Pred. No. 0.011;
Matches 95; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

```

QY 241 ATTGCGCATATGGAGACCCGTTTATTGATATCGTCAGTTTCCAAATTAAGTCATT 300
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 779 ATTTCCAAATTTTGACGATTTCAATCGTTTGTTGATTTTGTAAATAGAACAGA 838
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 301 CGAGCCATCTAGTAATTTTGTAATCTAACACAGATGCAATAGTTTAAATAACTTAT 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 839 TTAATCGAATGATTAGTTGTTTATTAATCAACAGAACTTACAAATCGAAAAAGTAAA 898
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 361 ACTTAACCTTTTAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 406
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 899 AAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 944
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

```

RESULT 10

US-09-609-161B-5

Sequence 5, Application US/09609161B
Patent No. 6436682

GENERAL INFORMATION:

APPLICANT: Bryan, Bruce
APPLICANT: Szent-Gyorgyi, Christopher
APPLICANT: PROLUME, LTD.

TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE
TITLE OF INVENTION: AND FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS,
TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS

FILE REFERENCE: 24729-121B
CURRENT APPLICATION NUMBER: US/09/609,161B

CURRENT FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: 09/277,716

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: 60/102,939

PRIOR FILING DATE: 1998-10-01

PRIOR APPLICATION NUMBER: 60/089,367

PRIOR FILING DATE: 1998-06-15

PRIOR APPLICATION NUMBER: 60/079,624

PRIOR FILING DATE: 1998-03-27

NUMBER OF SEQ ID NOS: 32

SOFTWARE: PatentIn Ver. 2.0

ADD

AUTHORS: L. Hansson et al
TITLE: DNA Encoding Kappa-Casein, Process for Obtaining the Protein and Use Thereof
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER: PCT/WO93/15196
FILING DATE: 25-JAN-1993
PUBLICATION DATE: 05-AUG-1993
RELEVANT RESIDUES IN SEQ ID NO:
S-08-730-163-1

Query Match 12.8%; Score 52; DB 1; Length 857;
Best Local Similarity 67.6%; Pred. No. 0.013;
Matches 73; Conservative 0; Mismatches 35; Indels 0; Gaps 0;
Y 299 TTCGAGCCATCTGAATATTTGTAATCTTAACACAGATGCAATAGTTTAATAAATTT 358
b 741 TTCATGCCACATTCATATTTTGTATCTTGCACATAAAGCCCACTGATTCGCAAAAAA 800
Y 359 ATACTTAACCTTTTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 406
b 801 AAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAA 848

RESULT 14
S-08-256-799-1
Sequence 1, Application US/08256799
Patent No. 6222094

GENERAL INFORMATION:
APPLICANT: HANSSON, Lennart
APPLICANT: STROEMOVIST, Mats
APPLICANT: BERGSTROM, Sven
APPLICANT: HERNELL, Olle
APPLICANT: TOERNELL, Jan
TITLE OF INVENTION: DNA ENCODING KAPPA-CASEIN, PROCESS FOR
OBTAINING THE PROTEIN AND USE THEREOF
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,799
FILING DATE: 06-DEC-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 88/92
FILING DATE: 23-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: COOPER, Iver P.
REFERENCE/DOCKET NUMBER: 28,005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 857 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO

ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 45..593
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 45..593
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 45..104
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 13..44
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 594..848
US-08-256-799-1

Query Match 12.8%; Score 52; DB 3; Length 857;
Best Local Similarity 67.6%; Pred. No. 0.013;
Matches 73; Conservative 0; Mismatches 35; Indels 0; Gaps 0;
QY 299 TTCGAGCCATCTGAATATTTGTAATCTTAACACAGATGCAATAGTTTAATAAATTT 358
Db 741 TTCATGCCACATTCATATTTTGTATCTTGCACATAAAGCCCACTGATTCGCAAAAAA 800
QY 359 ATACTTAACCTTTTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 406
Db 801 AAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAA 848

RESULT 15
US-08-462-437-1
Sequence 1, Application US/08462437
Patent No. 6232094
GENERAL INFORMATION:
APPLICANT: HANSSON, Lennart
APPLICANT: STROEMOVIST, Mats
APPLICANT: BERGSTROM, Sven
APPLICANT: HERNELL, Olle
APPLICANT: TOERNELL, Jan
TITLE OF INVENTION: DNA ENCODING KAPPA-CASEIN, PROCESS
FOR OBTAINING THE PROTEIN AND USE THEREOF
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,437
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DK 88/92
FILING DATE: 23-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: COOPER, Iver P.
REFERENCE/DOCKET NUMBER: 28,005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

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LENGTH: 857 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
  NAME/KEY: CDS
  LOCATION: 45..593
FEATURE:
  NAME/KEY: mat_peptide
  LOCATION: 45..593
FEATURE:
  NAME/KEY: sig_peptide
  LOCATION: 45..104
FEATURE:
  NAME/KEY: 5'UTR
  LOCATION: 13..44
FEATURE:
  NAME/KEY: 3'UTR
  LOCATION: 594..848

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JS-08-462-437-1

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Query Match          12.8%; Score 52; DB 3; Length 857;
Best Local Similarity 67.6%; Pred. No. 0.013;
Matches 73; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

299 TTGAGCCATCTGAATTAATTTTGTATCTTAACAACAGATGCAATAGTTTAAATAAACTT 358
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
741 TTCATGCCACATTCATATTTTGTATCTTGCACATAAAGCCAACTGATTGCAAAAAAA 800

359 ATACTTAACCTTTTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 406
    || || || || || || || || || || || || || || || || || || ||
801 AAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAA 848

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search completed: October 16, 2003, 17:48:28
 job time : 72 secs